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18 April 1961

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT : Report on [REDACTED]

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REFERENCE : Meeting Held in Colonel White's Office. O/DDS. at  
1400 on 13 April 1961 Between [REDACTED]  
and [REDACTED]

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1. [REDACTED] is currently building miniature accelerometers and other pressure transducers. Recently the company acquired an executive who acts as an assistant to the president who was formerly president of [REDACTED]. This gentleman has interested the company in producing vibration sensing and dampening devices as well as stabilized mounts for reconnaissance which utilizes these tiny accelerometers. The unique feature of this particular device is that it is a closed-circuit feedback system and reacts instantaneously to very minute movements, senses the movements and senses the period when their amplitude is extremely small, then it follows that much smaller corrective pressures need be applied to produce the desired quiescence. There are three general areas which were defined from our conversation as areas of possible utilization for the Department of Defense or the Agency:

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a. The areas of vibration dampening in cameras, camera mounts and vehicles,

b. recording by use of these small accelerometers the changing environment of the aircraft during the complete flight profile, thus providing a record from which the pitch, roll, and altitude changes could be deduced, and

c. the utilization of the accelerometers to sense and activate corrective servos to create a mount stabilization system.

There are other current uses of the accelerometers which might be of interests and these are:

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SUBJECT: Report on [REDACTED]

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a. To sense and record the vibrations of various instrumentation and their environment [REDACTED]

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b. To measure the touchdown velocity of high performance aircraft.

c. Use in guided missiles to produce telemetry signals to provide data for tracking.

2. My evaluation of [REDACTED] is that he is very business-like and highly qualified technically, and my evaluation of the accelerometer available is that it seemed to be very well made using the latest in electronic miniaturization techniques.

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Distribution:

- 0 - Addressee
- 1 - DD/S
- 1 - Mr. Gene Kiefer w/proposal
- 1 - [REDACTED]
- ✓ 1 - OD/NPIC chrono

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[REDACTED] (17 Apr 61)

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